

Title (en)
VEHICULAR ILLUMINATION DEVICE

Title (de)
KRAFTFAHRZEUGBELEUCHTUNGSVORRICHTUNG

Title (fr)
DISPOSITIF D'ECLAIRAGE DE VEHICULE AUTOMOBILE

Publication
EP 3239593 B1 20211222 (DE)

Application
EP 16166879 A 20160425

Priority
EP 16166879 A 20160425

Abstract (en)
[origin: CN107314319A] A motor vehicle lighting device comprises at least one light source (3); an optical light imaging system allocated to the at least one light source and configured to emit the light generated by the at least one light source to the front of the motor vehicle lighting device in the form of light distribution; and an optical structure configured as a structural element that modifies the light distribution to modified light distribution and having a plurality of optical light scattering structures, each structural element has a protrusion which deflects the light generated by the at least one light source and guided to the protrusion by using the at least one light imaging system in at least one spatial plane in at least one direction, wherein the optical structure is arranged behind the optical light imaging system or a part of the optical light imaging system in the main emission direction. The protrusion is convex and has at least one curved surface and a substantially planar surface opposite to the curved surface.

IPC 8 full level
F21S 41/20 (2018.01); **F21S 43/20** (2018.01); **F21S 43/40** (2018.01)

CPC (source: CN EP)
B60Q 1/04 (2013.01 - CN); **F21S 41/28** (2017.12 - EP); **F21S 43/26** (2017.12 - EP); **F21S 43/40** (2017.12 - EP); **F21V 5/007** (2013.01 - CN); **F21V 5/08** (2013.01 - CN); **F21Y 2115/10** (2016.07 - CN); **F21Y 2115/15** (2016.07 - CN)

Cited by
CN114207350A; WO2022074020A1

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